

SPECIFICATIONS FOR RADIOCHEMISTRY TESTING CONTRACT

1. Must have a current certification for the analysis of radiochemical parameters by either ISO 17025 standards or by NELAP requirements (NELAC 2009).
2. Must use only approved radiochemical methodology for all requested test parameters (modified methodologies due to matrix are allowable).
3. Must provide a Level 4 data package *on request* (**additional cost paid by Laboratory Services**).
4. Must provide sampling supplies (sample containers and coolers) *upon request*.
5. Must provide all raw data for samples tested along with all quality control and quality assurance data *upon request*.
6. Must provide all proficiency test studies for drinking water, waste water and other matrices *upon request*.
7. Must be able to perform radiochemical testing for the following matrices:
 - Water, sludge, solids, biota (vegetation, fish, animal tissue, etc.), swipes, air filters and milk
8. Must be able to perform radiochemical testing for the following parameters:
 - Gross alpha-gross beta (gas proportional counting or liquid scintillation counting)
 - Gamma-emitting radionuclides
 - Transuranics (alpha spectroscopy)
 - Isotopic Uranium (alpha spectroscopy or ICP-MS)
 - Strontium-89 and Strontium-90
 - Tritium
 - Carbon-14
 - Radium-226 and Radium-228
 - Technetium-99